

**REMARKS/ARGUMENTS**

Claims 1-7, 9-19, 21-24, 28 and 32 are pending in this application. Claims 18 is amended to address the informality noted by the Examiner. No new matter has been introduced into the application by this amendment.

Claims 1,2, 6, 7, 9-14, 18-19, 21-24, 28 and 32 are rejected as anticipated by U.S. Patent No. 5,838,927 (Gillon); claims 3-5 and 15-17 are rejected as obvious over Gillon in view of U.S. Patent No. 5,555,377 (Christensen). These prior art rejections are respectfully traversed.

The independent claims 1, 13, 25 and 28 improve compression processing via a method that minimizes processing overhead when a given PDU is associated with a previous PDU by tracking the previously filtered PDUs. Claim 1, for example, requires:

filtering protocol-specific header and control information of a protocol data unit (PDU) to determine compressibility of the contents of said protocol data unit including determining if a given protocol data unit is associated with a previously filtered protocol data unit by tracking previously filtered protocol data units and information regarding the compression applied to previously filtered protocol data units;

based on the result of said filtering, selecting the state of data link compression for said protocol data unit to optimize compression efficiency such that if the given protocol data unit is associated with a previously filtered protocol data unit, the data link compression that was applied to the previously filtered protocol data unit is selected;

Gillon has no teachings concerning any association of one data packet with a prior data packet. In Gillon the term “data stream” is used interchangeably with “data packet,” both refer to item 400 shown in Figure 4A. See Figure 4A and Gillon Column 5 lines 39-61. (“As illustrated in Figure 4A, data stream 400 include a header 402, data 404 and end of data indicator 406.”) There is no mention whatsoever of an association of a “data stream” or a “data packet” with a prior “data stream” or a “data packet.”

Gillon’s processing of a “data stream” is further explained in connection with Figure 6 and Column 7, lines 3-16. The Examiner is correct in observing that Gillon operates similar to the operation of the present disclosure for a first PDU of a series of associated PDUs. When a first PDU of a particular communication (represented by an associated series of PDUs) is processed for compression, a table is preferably referenced to determine the type of compression. This feature is addressed, for example, in dependent claim 18 and taught by the first sentence of specification par. [0008].

Unlike Gillon, however, when the compression of such a “first” PDU is determined, the state of compression is tracked so that subsequent associated PDUs are processed in the manner of the previously processed first PDU. This is taught in the second sentence of specification par. [0008].

Gillon does not teach or suggest tracking of prior data packets as defined by claim 1. Gillon does not teach or suggest the claimed selection of "the data link compression that was applied to the previously filtered protocol data unit." There is no teaching or suggestion of filtering and compression selection based on what occurred to a previously filtered PDU as defined in each of the pending claims. Any ambiguity in this regard in referencing the "data stream" of Figure 4A is clarified by the explanation of how such a "data steam" is processed in connection with Gillon Figure 6.

Christensen adds nothing to the teachings of Gillon to remedy the deficiencies of Gillon noted above.

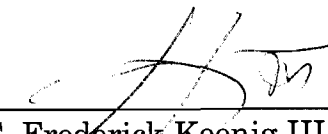
Based on the arguments presented above, withdrawal of the rejections of claims is respectfully requested.

**Applicant: Brooks et al.**  
**Application No.: 09/774,545**

In view of the foregoing amendment and remarks, Applicants respectfully submit that the present application is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

Brooks et al.

By   
C. Frederick Koenig III  
Registration No. 29,662

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103  
Telephone: (215) 568-6400  
Facsimile: (215) 568-6499

CFK/lhe